

## ANALYTICAL REPORT

Job Number: 600-21347-6

Job Description: A-318 1/22/10 Vapor Pressure

For:  
Shell Oil Company  
PO BOX 100  
Deer Park, TX 77536  
Attention: Mr. Ronnie L Turpen

*Neil A. Rodriguez*

Approved for release.  
Neil A Rodriguez  
Project Manager II  
3/1/2010 4:34 PM

---

Neil A Rodriguez  
Project Manager II  
neil.rodrique@testamericainc.com  
03/01/2010

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

**TestAmerica Laboratories, Inc.**

TestAmerica Houston 6310 Rothway Street, Houston, TX 77040  
Tel (713) 690-4444 Fax (713) 690-5646 [www.testamericainc.com](http://www.testamericainc.com)



## SAMPLE SUMMARY

Client: Shell Oil Company

Job Number: 600-21347-6

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-21347-2	A318 1230681	Waste	01/22/2010 1442	02/25/2010 1336

**Comments**

No additional comments.

**Receipt**

The Field Sampler was not listed on the Chain of Custody.

No other analytical or quality issues were noted.

**Subcontract**

Reid Vapor Pressure analysis was subcontracted to Texas Oil Tech Laboratories; their certification is listed on the cover page of their final report, which is attached.

# Certificate of Analysis



SINCE 1985

Quality Controlled Through Analysis

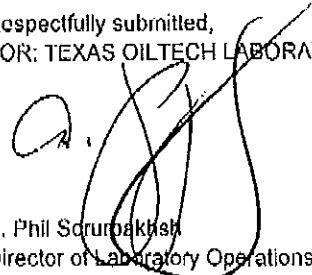
10830 FALLSTONE RD. HOUSTON, TEXAS 77099  
P.O. BOX 741905, HOUSTON, TEXAS 77274TEL: (281) 495-2400  
FAX: (281) 495-2410

CLIENT:	Test America	REQUESTED BY:	Mr. Neil Rodrigue
SAMPLE:	600-21347-2 [A318 1230681]	REPORT DATE:	March 1, 2010
LABORATORY NO:	58582	PURCHASE ORDER NO:	Pending

TEST

RESULT

Reid Vapor Pressure @ 100 °F, ASTM D 323, psi .....	1.80
---	------

Respectfully submitted,  
FOR: TEXAS OILTECH LABORATORIES, L.P.
  
A. Phil Scrubackish  
Director of Laboratory Operations


These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.



## TestAmerica Laboratories, Inc.

Customer Information				Project Information				Analysis/Methods																											
PO:	4550214423	TAL Project No:	60000324	A	Ammonia-N (350.1)	K	Total Suspended Solids (SM2540 D)	B	5-Day BOD (405.1)	L	Tot Volatile Suspended Solids	C	Chromium (200.7)	M	Vapor Pressure	D	Copper (200.7)	N	E	Hexavalent Chromium (SM3500CrD)	O	F	Hex. Ext. Mat. (EPA 1664A)	P	G	ortho-Phosphate (365.2)	Q	H	Sulfide (SM4500 S2 D)	R	I	Total Organ Carbon (415.1)	J	Tot. Phenolics (4AAP)(420.4 Rev.1)	
Company:	Shell Deer Park	Bill To:	Shell Deer Park																																
Report to:	Ronnie Turpen	Invoice ATTN:	Accounts Payable																																
Address:	5900 Highway	Address:	See P.O.																																
	P.O. Box 100																																		
	Deer Park, TX 77536																																		
E-mail:																																			
Phone:	713-246-4389	Phone:																																	
Fax:	713-246-7800	Fax:																																	
No.	Sample Description	GLIMS I.D. #	Date	Time	Matrix	# Cont.	Comments	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R										
1	NET007	1241162	02/24/10	2359	water	6	See Comments below *	X	X																										
2	A318	1230681	01/22/10	1442	oil	1	gallon can																												
3																																			
4																																			
5																																			
6																																			
7																																			
8																																			
Sampler:								Required TAT: 24-h 48-h 72-h 5 Days 10 Days Other: (+) 24 hr. Hold Time																											
1. Relinquished by:		Date:		2-25-10		3. Relinquished by:		Date:		2-25-10		4. Received by:		Date:		2-25-10		5. Relinquished by:		Date:		2-25-10		6. Received by:		Date:		2-25-10		7. Relinquished by:		Date:		2-25-10	
Company: Ronnie Turpen		Time: 0730		Company: TAP		Time: 10:00		Company: TAP		Time: 13:36		Company: TAP		Time: 13:36		Company: TAP		Time: 13:36		Company: TAP		Time: 13:36		Company: TAP		Time: 13:36		Company: TAP		Time: 13:36		Company: TAP		Time: 13:36	
Comments/Notes: * Analyses B, C, E are Composite samples and F & J are Grab samples. * need quickest TAT possible.																																			

## Login Sample Receipt Check List

Client: Shell Oil Company

Job Number: 600-21347-6

Login Number: 21347

List Source: TestAmerica Houston

Creator: Trenery, Michael J

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	